

Notice of Allowability

Application No.

10/535,102

Examiner

Cassandra Cox

Applicant(s)

YAMAZOE ET AL.

Art Unit

2816

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 12/07/06.
2. ☒ The allowed claim(s) is/are 20-38.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____

MY-TRANG NUTON
PRIMARY EXAMINER

12/26/06

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In line 10, page 1 of the specification, after the "." insert the sentence --This application is a 371 of PCT/JP03/12336 filed on 09/26/2003.--

Allowable Subject Matter

2. Claims 20-38 are allowed.
3. The following is an examiner's statement of reasons for allowance: Claims 20, 22-23, 26, and 32-36 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 6 wherein one end of the second capacitor is connected to a gate of the first MISFET (T1) and a second clock (2VCLKn), having a voltage amplitude larger than that of a sum of the operating voltage and a threshold voltage of the first MISFET (T1) and being a reversed phase to the first clock (CLK) is inputted to the other end thereof in combination with the rest of the limitations of the base claims and any intervening claims. Claims 21, 24, 25, and 27 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 14 wherein one end of the second capacitor is connected to a gate of the first MISFET (T1) and a second clock (2VCLK), having a voltage amplitude larger than that of a sum of the operating voltage

and a threshold voltage of the first MISFET (T1) and having a same phase to the first clock (CLK) is inputted to the other end thereof in combination with the rest of the limitations of the base claims and any intervening claims. Claims 28-29 and 37 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 14 wherein a voltage (2VCLK) having a voltage amplitude larger than that of a sum of the operating voltage and a threshold voltage of the transfer MISFET (T1) is applied to the gate of the transfer MISFET (T1) in combination with the rest of the limitations of the base claims and any intervening claims. Claims 30-31 and 38 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure wherein a voltage (2VCLK) having a voltage amplitude larger than that of a sum of the operating voltage and a threshold voltage of the transfer MISFET is applied to the gate of the transfer MISFET in combination with the rest of the limitations of the base claims and any intervening claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cassandra Cox whose telephone number is 571-272-1741. The examiner can normally be reached on Monday-Thursday from 7:00 AM to 4:30 PM and on alternate Fridays from 7:30 AM to 4:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CC
cc

December 26, 2006



MY-TRANG NUTON
PRIMARY EXAMINER

12/26/06